

PAVLOVSKIY, Ye.N., akademik; otvetstvennyy redaktor; BORKHSENIUS, N.G.,  
redaktor; RED'KIN, I.Ye., redaktor; MOLODTSOVA, N.G., ~~Vskhrenskiy~~  
redaktor

[Speeches at the sixth annual Kholodkovskii lecture series] Doklady  
na shestem eshegodnom chtenii pamiati N.A.Kholodkovskogo, 4 apreliya  
1953 g. Moskva, Izd-vo Akademii nauk SSSR, 1954. 76 p. (MLRA 8:2)

1. Vsesoyuznoye Entomologicheskoye obshchestvo.      2. Prezident  
Vsesoyuznogo Entomologicheskogo obshchestva (for Pavlovskiy)  
(Kholodkovskii, Nikolai Aleksandrovich, 1858-1921)  
(Insects, Injurious and beneficial)  
(Helminthology)

BORKHSENIUS, N.S.

TELENGA, N.A.; PAVLOVSKIY, Ye.N., akademik, glavnyy redaktor; BYKHOVSKIY, B.Ye., redaktor; VINOGRADOV, B.S., redaktor; STRELKOV, A.A., redaktor; SHTAKEL'BERG, A.A., redaktor; BORKHSENIUS, N.S., redaktor; KRYZHANOVSKIY, O.L., redaktor; SMIRNOVA, A.V., tekhnicheskyy redaktor.

Hymenoptera; family Braconidae, subfamily Microgasterinae, subfamily Agathinae. Fauna SSSR 5 no.4:3-312 '55. (MIRA 8:5)

1. Direktor Zoologicheskogo Instituta Akademii nauk SSSR (for Pavlovskiy).

(Hymenoptera)

**BORKHSENIUS, N.S.**

New species of pseudo scale insects (Homoptera, Coccoidea, Coccidae) of the U.S.S.R. and adjacent countries. Trudy Zool. inst.18:288-303 '55. (MIRA 9:2)  
(Scale insects)

BORKHSENIUS, N.S.; BOSHCHIK, T.N.

New species of oyster-shell scale insect (Homoptera, Coccoidea)  
from Turkmenia. Trudy Zool. inst. 18:304-307 '55. (MLRA 9:2)  
(Turkmenistan--Scale insects)

**BORKHSEVIUS, N.S.**

**New species of scale insects of the family Margarodidae (Homoptera, Coccoidea) in the U.S.S.R. Ent.oboz. 34:222-226 '55. (MLRA 9:5)**

1. Zoologicheskij institut Akademii nauk SSSR, Leningrad.  
(Scale insects)

BORKHSENIUS, N.S.

New species of oyster-shell scale insects (Homoptera, Coccoidea)  
from the Maritime Territory of the U.S.S.R. and Northern Korea.  
Trudy Zool.inst. 21:247-252 '55. (MLRA 9:5)  
(Maritime Territory--Scale insects) (Korea, North--Scale insects)

PAVLOVSKIY, Ye.N., akademik, otvetstvennyy redaktor; BORKHSENIUS, N.S.,  
redaktor; KRUGLIKOVA, N.A., tekhnicheskiy redaktor

[Reports at the seventh and eighth annual lectures in honor of  
N.A.Kholodkovskii, April 17, 1954 and April 2, 1955] Doklady na  
sed'mom i vos'mom ezhegodnykh chteniakh pamiati N.A.Kholodkovskogo,  
17 aprelia 1954 g. i 2 aprelia 1955 g. Moskva, Izd-vo Akademii nauk  
SSSR, 1956. 63 p. (MLRA 9:8)

1. Vsesoyuznoye entomologicheskoye obshchestvo. 2. Prezident  
Vsesoyuznogo entomologicheskogo obshchestva (for Pavlovskii)  
(Zoology)

BORKHSENIUS, N.S.; TER-GRIGORYAN, M.A.

Mealy bugs, parasites of wheat and other grains of the Armenian  
S.S.R. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 9 no.4:17-27 Ap '56.  
(MLRA 9:8)

1. Zoologicheskii institut Akademii nauk SSSR, Leningrad i Zoologi-  
cheskii institut Akademii nauk Arm. SSR, Yerevan.  
(Armenia--Mealy bugs) (Grain--Diseases and pests)

BORKHSENIUS, N.S.

Survey of Palaearctic scale insects of the genus *Kriopeltis*  
Sign. (Homoptera, Coccoidea) [with summary in English]. Ent.  
oboz. 35 no.2:397-420 '56. (MLRA 9:10)

1. Zoologicheskii institut Akademii nauk SSSR, Leningrad.  
(Scale insects)

BORKHSENIUS, N.S.

Data on Coccoidea (Homoptera) of Korea [with summary in English]. Ent.  
oboz.35 no.3:671-679 '56. (MIRA 9:10)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad.  
(Korea--Scale insects)

BORKHSENIUS, N. S.

USSR / General and Special Zoology. Insects

P

Abs Jour: Ref Zhur-Biol, No 1, 1958, 2119

Author : N. S. Borkhsenius

Inst :

Title : On the Question of the Courses of Evolution of Coccoidea (Insecta, Homoptera)

Orig Pub: Zool. ZH., 1956, 35, No 4, 546-553

Abstract: Contrary to the opinion of Gabrichevsky, it should be assumed that the female Coccoidea had lost their imaginal features for the second time. The peculiarities of their specialization comprise: 1) the perfection of the defense contrivances; 2) the changes of the body structure in the direction of loss of imaginal signs and acquisition of larvae features; 3) the changes of metamorphosis itself (loss of quiescent stage). The specialization of

Card 1/3

Zoological Institute, Acad. Sci. USSR.

USSR / .General and Special Zoology. Insects

P

Abs Jour: Ref Zhur-Biol., No 1, 1958, 2119

Abstract: males also has a regressive character but it is less expressed than among females; a reduction of wings and the accompanying loss of the dismemberment of the body into the 3 characteristic divisions occurs among the males. In the more specialized groups, males lose the compound eyes. A subsequent acquisition of female features is characteristic of the specialization of the larvae. The more specialized is a given group, the sooner during the ontogenesis do the larvae lose their primitive features and the more do they acquire resemblance to the females (form of body, reduction of organs of locomotion, development of defense contrivances). Coccoidea are a very ancient group. Many of its families appeared already at the end of the coal formation period. Their division into the archae-

Card 2/3

1

BORKHSENIUS, N.S.

Species of mealy bugs (Insecta, Coccoidea) damaging citrus plants in Israel [with English summary in insert]. Zool.zhur. 35 no.6:863-867 Je '56. (MLRA 9:10)

1. Zoologicheskii institut Akademii nauk SSSR.  
(Israel--Mealy bugs) (Citrus fruits--Diseases and pests)

BORKHSENIUS, N.S.

BEY-BIYENKO, G.Ya; DANILEVSKIY, A.S.; IVANOV, A.V.; PAVLOVSKIY, Ye.N.;  
akademik; SHYAKEL'BERG, A.A.; IVANOV, A.I., redaktor; KRYKHANOVSKIY,  
O.L., redaktor; MONCHADSKIY, A.S., redaktor; STRELKOV, A.A., redaktor;  
BORKHSENIUS, N.S., redaktor; PETROVA, P.Ye., tekhnicheskiy redaktor.

[Guide to classes and orders of land Arthropoda] Opredeletel'  
klassov i otriadov naseemnykh chlenistonogikh. Moskva, Izd-vo  
Akad.nauk SSSR, 1957. 88 p. (V pomoshch' rabotaiushchim po  
zoologii v pole i laboratorii, 5] (MIRA 10:6)

1. Direktor Zoologicheskogo instituta AN SSSR (for Pavlovskiy)  
(Arthropoda)

~~BORKHSELIUS, H.S.~~; PAVLOVSKIY, Ye.N., akademik, redaktor; BYKHOVSKIY, B.Ye.,  
redaktor; VINOGRADOV, B.S., redaktor; STREKLOV, A.A., redaktor;  
SHTAKEL'BERG, A.A., redaktor izdaniya; KRUGLIKOVA, N.A., tekhnicheskii  
redaktor.

[Suborder Coccoidea. Family Coccidae] Podotr. chervetsy i shchitovki  
(Coccoidea). Semstvo podushechnitsy i lozhnoshchitovki (Coccidae).  
Moskva, Izd-vo Akademii nauk SSSR. 1957. 493 p. (Fauna SSSR, no.66.  
Nasekomye khobotnye, vol.9) (MLRA 10:5)  
(Scale insects)

AKRAMOVSKIY, N.H., ARNOL'DI, L.V., BEI-BIYENKO, G.Ya., BORKHSENIUS, N.S.,  
VRRESHCHAGIN, N.K., DAL', S.K., D'YAKONOV, A.M., KIRICHENKO, A.N.,  
KIR'YANOVA, Ye.S., KOZHANCHIKOV, I.V., KRYZHANOVSKIY, O.L.,  
LEPNEVA, S.G., LIKHAREV, I.M., LOGINOVA, M.M., NIKOL'SKAYA, M.N.,  
NOVIKOV, G.A., POPOV, V.V., PORTENKO, L.A., RYABOV, M.A., TER-MINASYAN,  
M.E., CHERNOV, S.A., SHTAKEL'BERG, A.A.; PAVLOVSKIY, Ye.N., akad.,  
glavnyy red., VINOGRADOV, B.S., [deceased], red.; KOZLOVA, G.I., red.  
izd-va.; PEVZNER, R.S., tekhn. red.

[Animals of the U.S.S.R.] Zhivotnyi mir SSSR. Moskva. Vol. 5. [Mountain  
provinces of European Russia] Gornye oblasti evropeiskoi chasti  
SSSR. 1958. 655 p. (MIRA 11:11)

1. Akademiya nauk SSSR. Zoologicheskiy institut.  
(Zoology)

BORKHSENIUS, N.S.

**New species of oyster-shell scale of the genus *Acanthomytilus* Borchs. (Homoptera, Coccoidea) in the Central Asian Republics. Dokl. AN Tadzh. SSR 1 no. 4:45-46 '58. (MIRA 13:4)**

1. Zoologicheskij institut AN SSSR. Predstavleno chlenom-korrespondentom AN Tadzhikskoy SSR M.N. Narzikulovym. (Soviet Central Asia--Scale insects)

USSR/General and Systematic Zoology. Insects. Systematics and Faunistics P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11471

Author : Borkhsenius, N.S.

Inst : -

Title : Data on the Fauna of Coccids in China. II. A Description of New Coccid Species of the Families Pseudococcidae, Acleridae and Diaspididae (Homoptera, Coccoidea).

Orig Pub : Entomol. obozreniye, 1958, 37, No 1, 156-173

Abstract : A description of 10 new species of mealy-bugs and shield lice, indigenous to China.

Card : 1/1

- 4 -

BORKHSENIUS, N.S.

Evolution and phylogenetic relations of Coccoidea (Insecta,  
Homoptera) [with summary in English]. Zool. zhur. 37 no.5:765-780  
My '58. (MIRA 11:6)

1. Zoologicheskii institut Akademii nauk SSSR, Leningrad.  
(Scale insects)

PAVLOVSKIY, Ye.N., akademik, otv.red.; BORKHSENIUS, N.S., red.vypuska;  
BOCHEVER, V.T., tekhn.red.

[Reports at the ninth and tenth annual meetings in memory of  
N.A.Kholodkovskii] Doklady na deviatom i desiatom ezhegodnykh  
chteniyakh pamiati N.A.Kholodkovskogo, 4 apreliia 1956 g. i  
10 apreliia 1957 g. Moskva, Izd-vo Akad.nauk SSSR, 1959. 85 p.  
(MIRA 12:11)

1. Vsesoyuznoye entomologicheskoye obshchestvo. 2. Prezident Vse-  
soyuznogo entomologicheskogo obshchestva (for Pavlovskiy).  
(Insects)

SOV/21-59-3-22/27

AUTHORS: Borkhsenius, N.S., and Tereznikova, Ye.M.

TITLE: Two New Mealy-Bugs of the Genus Rhizoecus Kuenck (Insecta Homoptera, Coccoidae) From the Fauna of the Ukrainian SSR (Dva novykh vida ruzhnistykh chervetsov roda Rhizoecus Kuenck (Coccoidae, Pseudococcoidae) fauny Ukrainy)

PERIODICAL: Dopovidi Akademii nauk Ukraini's'koi RSR, 1959, Nr 3, pp 322-325 (USSR)

ABSTRACT: Until recently, only two species of ground insects Rhizoecus vitis Borchs were known in the Ukraine. These were found on the roots of grapes in the Crimea and Rhizoecus poltavae Jaing found near Poltava. This article contains the descriptions of two new species of that family, found in the Zakarpatskaya oblast' in 1956-1958, viz. Rhizoecus prattensis Borchsenius et Tereznikova (Figure 1), and Rhizoecus uniporus Borchsenius et Tereznikova (Figure 2). Both species were found on roots of Festuca sulcata. They are now in the Zoologicheskii institut

Card 1/2

SOV/21-59-3-22/27

Two New Mealy-Bugs of the Genus Rhizoecus Kuenck (Insecta  
Homoptera, Coccoidae) From the Fauna of the Ukrainian SSR

AN SSSR (Zoological Institute of the AS USSR) in  
Leningrad. Other types of Rhizoecus Kuenck are in  
the Institut zoologii AN UkrSSR (Institute of Zo-  
ology of the AS UkrSSR) in Kiyev. There are 2  
sketches.

ASSOCIATION: Zoologicheskii institut AN SSSR (Zoological Insti-  
tute of the AS USSR); and Institut zoologii akademii  
nauk USSR (Institute of Zoology of the Academy of  
Sciences of UkrSSR)

PRESENTED: November 29, 1958, by V.G. Kas'yanenko, Member of  
the AS UkrSSR

Card 2/2

**BORKHSENIUS, N.S.; BUSHCHIK, T.N.**

**Materials on the scale insects of China. Pt.5: A new genus and species of scale insects of the family Phoenicococcidae (Homoptera, Coccoidea) from Szechwan Province; scientific results of Chinese-Soviet expeditions to southwestern China in 1955-1957. Ent.oboz. 38 no.1:160-163 '59. (MIRA 12:4)**

- 1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Szechwan Province--Scale insects)**

**BORKHSENIUS, N.S.**

Materials on the scale insects of China. Pt.6: Description of new genera and species of scale insects of the families Eriococcidae and Coccidae (Homoptera, Coccoidea); scientific results of Chinese-Soviet expeditions to southwestern China in 1955-1957. Ent. oboz. 38 no.1:164-175 '59. (MIRA 12:4)

1. Zoologicheskoy Institut AN SSSR, Leningrad.  
(Yunnan Province--Scale insects) (Szechwan Province--Scale insects)

BORKHSENIUS, N.S.; TEREZNIKOVA, Ye.M.

Two new species of mealy bugs of the genus *Helicococcus* Sulc.  
Insecta, Homoptera, Coccoidea). Zool.zhur. 38 no.3:491-494  
Mr '59. (MIRA 12:4)

1. Zoological Institute of the Academy of Sciences of the  
U.S.S.R. (Leningrad) and Institute of Zoology of the Academy  
of Sciences of the Ukrainian SSR (Kiyev).  
(Beregovo District--Mealy bugs) (Khasanskiy District--Mealy bugs)

BORKHSENIUS, N.S.

Materials on the scale insect fauna of China. Report No. 7:  
Lecaniodiaspididae, fam. n. (Homoptera, Coccoidea), a new family  
of scale insects. Ent. oboz. 38 no.4:840-846 '59 (MIRA 13:3)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Yunnan Province--Scale insects)

BORKHSENIUS, N.S.

Materials on the coccid fauna of China. Report No.8: Description of a genus and two new species of scale insects of the family Diaspididae (Homoptera, Coccoidea); scientific results of Chinese-Soviet expeditions to southwestern China in 1955-1957. Zool.zhur. 38 no.12:1821-1824 D '59. (MIRA 13:5)

1. Zoological Institute of the Academy of Sciences of the U.S.S.R., Leningrad.

(Yunnan Province--Scale insects)

BORKHSENIUS, Nikolay S. (Dr.)

Leningrad

"Some Data on the Generic Classification of Coccoidea of the Family  
Asterolecaniidae (Homoptera)."

report presented at the International Congress of Entomology, Vienna, Austria,  
17-25 August 1960.

SHARAPOV, Nikolay Ivanovich; PROKOPENKO, Anastasiya Iosifovna; FEDOROV,  
M.A., prof., red.; BORKHSENIUS, N.S., prof., red.; VIKHREV,  
S.D., red.izd-va; ZAMARAYEVA, R.A., tekhn.red.

[Production of natural shellac in the U.S.S.R.] Opyt polucheniia  
natural'nogo shellaka v SSSR. Moskva, Izd-vo Akad.nauk SSSR,  
1960. 69 p. (MIRA 13:11)

(Shellac)

ARNOL'DI, I.V.; BORKHSENIUS, N.S.; GUR'YEVA, Ye.L.; DERBENEVA, N.N.;  
YEMEL'YANOV, A.F.; KERZHNER, I.M.; KUZNETSOV, V.I.; LISINA,  
L.M.; MISHCHENKO, L.L.; NARCHUK, B.P.; SHAPIRO, I.D.; SHAPOSHNI-  
KOV, G.Kh.; SHTAKEL'BERG, A.A.; PUKHAL'SKAYA, L.P., red.izd-va;  
KRUGLIKOVA, N.A., tekhn.red.

[Insect pests of corn in the U.S.S.R.; reference book] Naseko-  
mye, vrediashchie kukurnze v SSSR; spravochnik. Moskva, 1960.  
227 p. (MIRA 13:3)

1. Akademiya nauk SSSR. Zoologicheskii institut. 2. Zoologi-  
cheskii institut AN SSSR (for Arnol'di, Borkhsenius, Gur'yeva,  
Derbeneva, Yemel'yanov, Kerzhner, Kuznetsov, Mishchenko, Narchuk,  
Shaposhnikov, Shtakel'berg). 3. Vsesoyuznyy institut zashchity  
rasteniy Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni  
V.I.Lenina (for Lisina, Shapiro).  
(Corn (Maize)--Diseases and pests)  
(Insects, Injurious and beneficial)

BORKHSENIUS, Nikolay Sergeevich; PAVLOVSKIY, Ye.N., akademik, glavnyy red.;  
BYKHOVSKIY, B.Ye., red.; STRELKOV, A.A., Red.; SHTAKEL'BERG,  
A.S., red.; KRUGLIKOVA, N.A., tekhn.red

[Hemipterans and homopterans] Nasekomye khototnye. Moskva, Izd-vo Akad.  
nauk SSSR, no.77. Vol.8 [Suborder of scale insects (Coccoidea); families  
Kermococcidae, Asterolecaniidae, Lecanodiaspididae, Acleridae] Pod-  
triad chervetsy i shchitovki (Coccoidea); semeistva Kermococcidae,  
Asterolecaniidae, Lecanodiaspididae, Acleridae. 1960.283 p.  
(MIRA 14;2)

(Scale insects)

BORKHSENIUS, N.S.

New genus of mealy bugs from Tajikistan. Dokl. AN Tadjh. SSR 3  
no.1:47-49 '60. (MIRA 13:12)

1. Zoologicheskij institut Akademii nauk SSSR. Predstavleno  
chlenom-korrespondentom AN Tadjhikskoy SSR M.N.Narzikulovym.  
(Tajikistan--Mealy bugs)

BORKHSENIUS, N.S.

New species of Acanthococcus Sign. (Homoptera, Coccoidea) from  
Kazakhstan. Trudy Inst.zool. AN Kazakh.SSR 11:193-195 '60.

(MIRA 13:11)

(Kazakhstan--Scale insects)

BORKHSENIUS, N.S.

A new genus of scale insects of the family Margarodidae (Insecta, Homoptera, Coccoidea) in the fauna of the U.S.S.R. Zool.zhur. 39 no.1:144 Ja '60. (MIRA 13:5)

1. Zoological Institute of the U.S.S.R. Academy of Sciences, Leningrad.

(Maritime Territory--Scale insects)

BORKHSENIUS, N.S.

Materials on the coccid fauna of China. Report No. 9: New scale insects of the families Margarodidae, Eriococcidae, and Pseudococcidae (Homoptera, Coccoidea). Ent. oboz. 39 no.4:914-938 '60. (MIRA 14:3)

1. Zoologicheskii institut AN SSSR, Leningrad.  
(Yunan Province—Scale insects)

BORKHSENIUS, N.S.

Oligomerization and polymerization processes in Coccoidea (Homoptera, Insecta). Zool. zhur. 40 no.11:1597-1610 N '61. (MIRA 14:11)

1. Zoological Institute, U.S.S.R. Academy of Sciences, Leningrad.  
(Scale insects) (Evolution)

BORKHSENIUS, N.S.

"Insects in the tropical forests of South China" by D. V.  
Panfilov. Reviewed by N.S.Borkhsenius. Zool. zhur. 41 no.5:  
790-791 My '62. (MIRA 15:6)  
(China--Forest insects) (Panfilov, D.V.)

BORKHSENIUS, N.S.

Materials on coccids (Homoptera, Coccoidea) of China. Report  
No. 10. Ent. obozr. 41 no.3:583-595 '62. (MIRA 15:10)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Yunnan Province--Scale insects)

BORKHSENIUS, N. S.

New Palaearctic genera and species of Diaspididae (Homoptera,  
Coccoidea). Ent. oboz. 41 no.4:861-871 '62. (MIRA 16:1)

1. Zoologicheskii institut AN SSSR, Leningrad.

(Scale insects)

BORKHSENIUS, N. S.

Materials on the coccids of China. Report No. 11. New genera and species of mealy bugs of the family Pseudococcidae (Homoptera, Coccoidea); scientific results of the Chinese-Soviet expeditions of 1955-1957 to southwestern China. Trudy Zool. inst. 30:221-244 (MIRA 15:10) '62.

(Yunnan Province--Mealy bugs)  
(Szechwan Province--Mealy bugs)

BORKHSENIUS, Nikolay Sergeyeovich; PAVLOVSKIY, Ye.N., akademik, glavnyy red.;  
STRELKOV, A.A., otv. red.; BYKHOVSKIY, B.Ya., red.; MONCHADSKIY,  
A.S., red.; SKARLATO, O.A., red.; SHTAKEL'BERG, A.A., red.

[Practical guide to scale insects (Coccoidea) occurring on  
cultivated plants and forests species]. Prakticheskii opredelitel' koktsid (Coccoidea) kul'turnykh rastenii i lesnykh porod SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 311 p. (Opredeliteli po faune SSSR, no.81). (MIRA 17:7)

BORKHSENIUS, N.S.

Revision of the genus *Lepidosaphes* Shimer (Coccoidea, Homoptera, Insecta). Zool. zhur. 42 no.8:1161-1174 '63. (MIRA 16:9)

1. Zoological Institute, Academy of Sciences of the U.S.S.R., Leningrad.

(Scale insects)

BORKHSENIUS, N.S.

Decrease in the number of stages in the larval and nymphal phases  
in the evolutionary process of Coccoidea (Insecta, Homoptera).  
Dokl. AN SSSR 149 no.2:468-469 Mr '63. (MIRA 16:3)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom  
Ye.N.Pavlovskim.

(Scale insects) (Insects-Development)

BORKHSENIUS, N.S.

Zoological research in the field of plant quarantine. Izv.  
AN SSSR, Ser. biol. 28 no.1:133-137 Ja-F '63. (MIRA 16:8)

1. Zoologicheskij institut AN SSSR.  
(Plant quarantine)

BORKHSENIUS, N.S. [Borchsenius, N.]; VIL'YAMS, D.Dzh. [Williams, D.]

Scale insects of the genus *Contigaspis* MacGillivray (Homoptera, Coccoidea) in the world fauna. Ent. oboz. 42 no.3:594-610 '63.  
(MIRA 17:1)

1. Zoologicheskii institut AN SSSR, Leningrad i Gosudarstvennyy institut entomologii, London.

BORKHEMNIUS, N.S.

New genera and species of scale insects (Homoptera, Coccoidea,  
Diaspididae) from Transcaucasia, central and eastern Asia.  
Ent. oboz. 43 no.13192-268 '64 (MIRA 17:6)

1. Zoologicheskij Institut Akademii nauk SSSR, Leningrad.

POGLAZOV, B.F.; BORKHSENIUS, S.N.; BELAVTSEVA, Ye.M.

Reconstruction and crystallization of tail sheaths of the T2 phage. Biokhimiia 29 no.6:1143-1149 N-D '64. (MIRA 18:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva; kafedra biokhimi Gosudarstvennogo universiteta, Leningrad, i Institut elementorganicheskikh soedineniy AN SSSR, Moskva. Submitted June 10, 1964.

BORKHUNOVA, V.D.

SINITSYN, V.P., kandidat tekhnicheskikh nauk; MALOV, N.F., kandidat tekhnicheskikh nauk; MANDRAZHITSKIY, M.N.; BORKHUNOVA, V.D.; LAVROVSKIY, K.F., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor

[Local air defense; textbook for secondary schools and pedagogical schools] Mestnaia protivovozdushnaia oborona; uchebnoe posobie dlia srednikh shkol i pedagogicheskikh uchilishch. Pod red. Sinitsyna. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshchenia RSFSR, 1956. 150 p. [Microfilm] (MLRA 9:12)  
(Air defenses)

BORKHARDT, G.K.; CHISTYAKOV, P.N., redaktor; SKVORTSOV, I.M., tekhnicheskii redaktor.

[Cold-cathode tube] Lampa s kholodnym katodom. Moskva, Gos.energ. izd-vo, 1953. 63 p. (Massovaya radiobiblioteka, no.179)[Microfilm] (MLBA 7:10)  
(Electron tubes)

DORKHVARDE, G. K.

"The Possibility of Hyperbolic Phase Systems in Radio Navigation."  
Cand Tech Sci, Leningrad Inst of Aviation Instrument Construction,  
Leningrad, 1954. (RZhFiz, Sep 54)

SO: Sun 432, 29 Mar 55

~~BORKHARDT, G.K.~~ ~~BORKHANSKIY, G.K.~~  
BULOFSKIY, P.I.; MES'KIN, V.S., otvetstvennyy redaktor; AKSENOV, D.D., red.;  
BLINOV, V.I., red.; VORONOVSKAYA, Ye.V., red.; GOLOVCHANSKIY, P.M., red.;  
ZAVALISHIN, D.A., red.; EPSHTEYN, M.O., red.; BORKHARDT, G.K., red.;  
PAVLOV, V.A., red.; POVALIYEV, A.V., red.; SIVERS, A.P., red.;  
FILIPPOV, P.I., red.; MISHIN, V.I., red.; EL'KIN, Ye.G., tekhn.red.

[Theoretical bases for the technology of assembling aeronautical  
instruments] Teoreticheskie osnovy tekhnologii sborki aviatsionnykh  
priborov. Leningrad, 1956. 122 p. (Leningrad. Institut aviatsionnogo  
priborostroeniya. Trudy no.15) (MIRA 10:11)  
(Aeronautical instruments)

BYALIK, Gavriil Iosifovich; BORKHWARDT, G.K., nauchnyy red.; PCHELKIN,  
Yu.V., red.isd-va; SHERMUSHENKO, T.A., tekhn.red.

[Television] Televidenie. Leningrad, Lenizdat, 1960. 323 p.  
(MIRA 13:5)

(Television)

BORKHVARDT, V.S.; VASIL'YEV, I.V.; KOZLOVSKAYA, N.V.; MARKOVSKAYA, L.A.;  
MINYAYEV, N.A.; MURAV'YEVA, O.A.; SERGIYEVSKAYA, Ye.V.; SOKOLOV-  
SKAYA, A.P.; FLOROVSKAYA, Ye.F.; SHISHKIN, B.K., prof.; YUZEPCHUK, S.V., prof.  
[deceased]; KARPOVA, L.A., red.; ZHUKOVA, Ye.G., tekhn. red.

[Flora of Leningrad Province] Flora Leningradskoi oblasti. Otv.  
red. B.K.Shishkin. Leningrad, No.3. 1961. 266 p. (MIRA 14:10)

1. Leningrad. Universitet. 2. Chlen-korrespondent AN SSSR (Shishkin).
3. Kafedra botaniki Leningradskogo Ordena Lenina gosudarstvennogo uni-  
versiteta im. A.A. Zhdanova (for Sergiyevskaya, Yuzepchuk).  
(Leningrad Province—Dicotyledons)

BORKHVARDT, V.S.; DROZDOVA, I.N.; ZAKHAREVICH, S.F.; KOZLOVSKAYA,  
N.V.; MARKOVSKAYA, L.A. [deceased]; MINYAYEV, N.A.;  
MURAV'YEVA, O.A.; SERGIYEVSKAYA, Ye.V.; SOKOLOVSKAYA, A.P.;  
STANISHCHEVA, O.N.; TAKHTADZHIAN, A.L.; FLOROVSKAYA, Ye.F.;  
TSVELEV, N.N.; SHISHKIN, B.K., prof. [deceased]; SHMIDT, V.M.;  
DUBROVSKAYA, I.P., red.

[Flora of Leningrad Province] Flora Leningradskoi oblasti.  
Leningrad. No.4. 1965. 356 p. (MIRA 18:9)

1. Leningrad. Universitet. 2. Chlen-korrespondent AN SSSR  
(for Shishkin).

AVERINA, Ye.P.; BORKHOVETSKAYA, A.A.

Properdin in the blood of patients with tuberculosis of the lungs. Lab. delo 10 no.5:276-278 '64. (MIRA 17:5)

1. Fakul'tetskaya terapevticheskaya klinika (zaveduyushchiy - prof.N.Ye.Kavetskiy) Kuybyshevskogo meditsinskogo instituta i sanatoriy "Lesnoye" (glavnyy vrach - A.Ye.Pavlotskiy) Kuybyshevskoy oblasti.

BORKIEWICZ, H.

"More care in purchasing leguminous plants; higher quality is of utmost importance."  
Gospodarka Zbozowa, Warszawa, Vol 5, No 6, June 1954, p. 16.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

BORKIEWICZ, J.; CHRZESZCZYK, M.

Basalt wool, a new insulation material. p.47: (SZKLO I CERAMIKA, Warszawa, Vol. 6, No. 3, Mar. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

BORKIEWICZ, J.

Some possibilities of speeding up the analysis of silicates in the glass industry and its importance. p.52. (SZKLO I CERAMIKA, Warszawa, Vol. 6, No. 3, Mar. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955,  
Uncl.

Borkiewicz, J.

~~Determination of boron oxide in glass. J. Borkiewicz. *Made*  
Szkło i Ceram. 6, 97-100(1955). Methods for detg. B in  
glass as applied in the glass industry in Poland and abroad  
are discussed. The detn. of B in glass by means of electro-  
metric and direct titration (in the presence of bromocresol  
red) was described. Tables are given, illustrating the  
results of the detn. of B obtained by both methods and also  
showing the effect produced by the fusing time of a glass  
sample with Na<sub>2</sub>CO<sub>3</sub> on the results. W. Wolfram~~

L  
Z  
PM

BORKIEWICZ, JERZY

The aging of antique glass and its conservation. Jerzy Borkiewicz. *Szkło i Ceram.* 7, 02-5(1955).—Two detrimental effects occur within old glasses: chem. corrosion (I) and devitrification (II). In I, the leaching out of  $K_2O$  and  $Na_2O$  first, and  $CaO$  and  $MgO$  later, takes place, according to the reaction  $R_2Si_2O_5 + xH_2O \rightarrow 2R(OH) + (x-1)H_2O \cdot SiO_2$ . The hydroxides, then, react with  $CO_2$  from air to form a white deposit of carbonates on the glass surface. As the max. temp. obtainable in glass manuf. in the XVII and XVIII centuries was  $1160^\circ$ , a very high percentage of  $SiO_2$  and low  $SiO_2$  in glass was the rule, leading to chem. instability. As  $Na_2CO_3$  at that time was not known, the analyses of old glasses show as much as 18%  $K_2O$  and traces of  $Na_2O$ .  $SiO_2$  was usually less than 50% and  $CaO$  27-30%. The high  $CaO$  content also increases the rate of II. Antique glass is best preserved by coating it with polyacrylic resins at  $220-35^\circ$ .

R. S. Lubomirski

BORKIEWICZ, J.

Heat insulation of glass tank furnaces.

p. 194  
Vol. 6, no. 9, Sept. 1955  
SZKLO I CERAMIKA  
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, VOL. 5, no. 3  
March 1956

BORKIEWICZ, J.

Prospects for the use of radioisotopes in the glass and pottery  
industry . p. 254. BIULETEN WZCR.

Vol 6, no 11, Nov, 1955  
Saklo I Ceramika  
Warszawa

So: Monthly List of East European Accessions (EEAL), IC, Vol 5, no 3  
March, 1956

DORKIEWICZ, J.

<sup>27</sup> <sup>15</sup>  
Determination of iron oxide in glass and raw materials.  
J. Borkiewicz and M. Chruszczyk. *Szita i Ceram.* 1955,  
~~1956~~, *Polish Tech. Abstr.* No. 3, Abstr. No. 4420  
(1956).—Fe was detd. as thiocyanate by using Dubosq's  
and "Viscomat" photoelec. colorimeters after silica had  
been filtered off. The results with the\*2 colorimeters were  
more or less in agreement. A disproportionate error in the  
method arises, however, when Fe is detd. in solns. contg.  
0.002 mg. of Fe<sub>2</sub>O<sub>3</sub>/cc., and that is the concn. found in  
practice in solns. prepd. from substances contg. about 0.05%  
Fe<sub>2</sub>O<sub>3</sub> (1 g./250 cc. of the soln.) K. L. C.

4

*J.B.* *M.C.*

BORKIEWICZ JERZY

POLAND/Chemical Technology. Chemical Products and their Application. J-12  
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27638

Author : Lutosaw Nowak, Jerzy Borkiewicz.  
Inst :  
Title : Protective Glass for Welders.

Orig Pub: Szkoi ceram., 1956, 7, No 9, 244-249

Abstract: The technique of manufacturing protective glass (PG) for welders was developed at the central laboratory of the glass industry (Zawertse, People's Republic of Poland) and a pilot plant for this manufacturing was arranged at the Yaslo works. PG must protect the eyes from ultraviolet rays ( $\lambda = 240$  to  $314 \text{ m}\mu$ ), from rays of visible light ( $\lambda = 430$  to  $760 \text{ m}\mu$ ) and infrared rays ( $\lambda = 800$  to  $1600 \text{ m}\mu$ ), and, in particular, it must decrease the infrared radiation to the limit  $< 1.9$  cal per sq. cm per min. The foundations of the classification of PG accord-

Card : 1/3

-39-

POLAND/Chemical Technology. Chemical Products and their Application. J-12  
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27638

ing to the proposed Polish norms (7 kinds of PG), according to the German DIN 4647 (5 kinds), according to the U.S.A. Bureau of Standards (7 kinds) and according to the British BSS (5 kinds) are related; in all the norms the class of PG is denoted with three figures (for example 687), of which the first figure denotes the absorption of ultraviolet rays, the second figure denotes the absorption of visible light rays and the third denotes the absorption of infrared rays. The protective capacity of glass depends on the temperature of the radiation source; it is equal to 3 at temperatures from 800 to 1200°C and to 9 at temperatures from 3500 to 4000°. Curves of light absorption by PG as functions of the wave length in  $\mu$ , plotted on logarithmic coordinates, are shown; Z in them =  $2 - \log P$ , where P is the penetrability of PG in % in relation to rays of the given wave length. The problems of the technique

Card : 2/3

-40-

POLAND/Chemical Technology. Chemical Products and their Application. J-12  
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27638

of PG manufacturing are briefly enumerated. The light absorption depends on the introduction of coloring oxides of Fe, Co, Ni, Cu, Ti, Ce, Pr and Nd into the charge. 3 to 5% of  $Fe_2O_3$  + 5 to 7% of FeO is most frequently introduced into PG. Metallic powder of Zn, Al or Sn or bitartrate of K are used for reducing  $Fe_2O_3$  to FeO.

Card : 3/3

-41-

BORKIEWICZ, J.

Poland/ Chemical Technology -- Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1568

Author: Borkiewicz, J.

Institution: None

Title: Causes of Aging of Antique Glass and the Problems of Its Preservation

Original

Periodical: Szklo i eram., 1956, Vol 7, No 3, 62-65; Polish

Abstract: The aging of antique glasses (stained glass panels, glasses from excavations) is explained by the following: (1) chemical attack at the surface under the influence of atmospheric conditions, detectable by the loss of luster and the appearance of discolorations due to the accumulation at the surface of the products of alkali hydrolysis and of calcium compounds, which are present in excess in antique glasses; (2) crystallization due to changes in the internal energy of the glasses, caused in the majority of cases by quenching or by insufficient annealing.

Card 1/1

BORKIEWICZ, JERZY

POLAND / Chemical Technology. Chemical Products and  
Their Application. Ceramics. Glass. Binding  
Materials. Concretes.

H

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65161

Author : Borkiewicz Jerzy, Rydygier Stanislaw  
Inst : -  
Title : The Determination of the Heat Coefficient of  
Performance of a Glass Furnace

Orig Pub: Szklo i ceram., 1957, 8 No 6, 156-162

Abstract: The magnitude of the thermal efficiency does not  
determine the productivity of the heat unit (HU);  
the evaluation of the performance of the HU should  
be derived only on the basis of the thermal

Card 1/4

POLAND / Chemical Technology. Chemical Products and      H  
Their Application. Ceramics. Glass. Binding  
Materials. Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65161

Abstract: balance, the formation of which, however, is very difficult. A simple and fast method of evaluation is proposed, worked out by a British institute of normalization and based on a knowledge of the so-called heat coefficient (HC) of the performance of the furnace. A formula is cited for HC suitable to Polish production conditions. The formula possesses the form:  $Q = (G/K - CW) / M 86,400$ , where Q is HC in kilogram cal/m<sup>2</sup>sec; G is the total quantity of heat consumed in 24 hours; W is the weight in tons of the glass produced in 24 hours; C is the correction factor which takes into account the percentage content of breakage in the furnace charge; M is the total reduced area of the mirror

Card 2/4

30

POLAND / Chemical Technology. Chemical Products and H  
Their Application. Ceramics. Glass. Binding  
Materials. Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65161

Abstract: of the glass in  $m^2$ ; K is the correction factor for  
the temperature. The correction factors of K and  
C and the size of M are found by special tables.  
As an illustration, numerical examples for two-  
zone and one-zone furnaces are resolved. In  
addition they investigated the influence of the  
age of the stove on the growth of heat loss through  
the walls, and proposed Gould's formula in the form:  
 $Q = Q_0(1 + at)$ , where Q is HC at zero age of the  
furnace; t is the age of the furnace in weeks, a  
is the coefficient which takes into account the

Card 3/4

POLAND / Chemical Technology. Chemical Products and H  
Their Application. Ceramics. Glass. Binding  
Materials. Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65161

Abstract: influence of factors that cause "aging" of the furnace; to the latter belong: working temperature, boiling area, type of refractory materials and masonry, depth of the basin, and content of  $Fe_2O_3$  in the glass. A table is given of the classification of performance of vats for brewing colorless glass. The advantages and disadvantages of the method described for evaluating the performance of the furnace are indicated.

Card 4/4

31

COUNTRY : Poland  
CATEGORY : H-13  
ABS. JOUR. : RZKhim., No. 21 1959, No. 75567  
AUTHOR : Borkiewicz, J.  
INST. : Not given  
TITLE : The Role of Thermotechnic Factors in Glass-Melting Processes  
ORIG. PUB. : Szklo i Ceramika, 10, No 1, 8-13 (1959)  
ABSTRACT : A review article. The importance of various thermotechnic factors in the glass-melting process is discussed on the basis of an analysis of the operation of a number of glass-melting tanks. A theoretical and practical discussion of the glass-melting process is also given. The bibliography lists 5 titles.  
L. Sedov

CARD: 1/1

COUNTRY : Poland  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 22 1959, No. 79308  
AUTHOR : Borkiewicz, J.  
INFO. : Not given  
TITLE : Possibilities for the Utilization of the Heat  
in the Waste Gases from Glass Manufacture  
ORIG. PUB. : Szklo i Ceramika, 10, No 2, 50-55 (1959)  
ABSTRACT : The low degree of utilization of the heat in the  
waste gases from glass-melting tanks in the  
Polish industry is noted. The installation of  
waste heat boilers is economical whenever the  
heat content of the waste gases exceeds 1.4-1.5.  
10<sup>6</sup> kcal/hr and the minimum inlet temperature at  
the boilers is 450°. Sample calculations have  
shown that the installation of 8 waste heat boil-  
ers can lead to an annual saving of 50,000 tons  
of coal. The capital investment is recovered af-  
ter 0.5-2 hrs.  
L. Sedov  
CARD: 1/1

PITADE, A.A.; YAROSHENKO, V.A.; BOR'KIN, A.N.; NEMANOVA, G.F.,  
red.izd-va; PEN'KOVA, S.A., tekhn. red.

[Manual for a worker and foreman in shot boring] Posobie  
rabochemu i masteru drobovogo bureniia. Moskva, Gosgeol-  
tekhizdat, 1963. 98 p. (MIRA 17:3)

PITADE, A.A.; BOR'KIN, A.N.

Use of reverse circulation in drilling test holes in the Krivoy Rog Basin. Razved. i okh. nedr 27 no.9:25-28 S '61. (MIRA 17:2)

1. Trest "Krivbassgeologiya".

YAROSHENKO, V.A.; BOR'KIN, A.N.

Flush muds used in boring exploratory holes. Sbor.nauch.  
trud. KGRI no. 21:61-66 '63. (MIRA 17:7)

PITAEF, Anatolii Alekseyevich; YAROSHENKO, Vladimir Aleksandrovich;  
BOR'KIN, Aleksandr Nikolayevich.

[New equipment and technology for exploratory boring] Novaia tekhnika i tekhnologiya razvedochnogo bureniia. Moskva, Nedra, 1965. 126 p. (MIRA 18:9)

ACC NR: AP6019618

(A,N)

SOURCE CODE: UR/0048/66/030/002/0271/0277

AUTHOR: Borkin, I.M.; Guzhovskiy, B.Ya.; Rudnev, V.S.; Solodovnikov, A.P.;  
Trusillo, S.V. 45  
8

ORG: none

TITLE: Excitation of isobaric analog states in Cu-59, Cu-61, Cu-62, Cu-63, and  
Cu-65 /Report, Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear  
Structure, held at Minsk, 25 January to 2 February 1965/ 17

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 2, 1966, 271-277

TOPIC TAGS: nuclear reaction, inelastic scattering, proton reaction, proton scattering,  
nickel, copper, Coulomb interaction, ~~Coulomb energy~~ABSTRACT: Excitation functions of the  $Ni^A(p,n)Cu^A$  reactions for  $A = 60, 61, 62,$  and  
64, and inelastic proton scattering cross sections of  $Ni^A$  for  $A = 58, 60, 62,$  and  
64 were measured at incident proton energies up to 8 MeV in order to determine the  
 $Ni^A-Cu^A$  Coulomb energy differences. Targets of  $0.2 \text{ mg/cm}^2$  of Ni on an Au substrate  
were employed for the (p,n) measurements for proton energies up to 6.2 MeV, and  
 $2 \text{ mg/cm}^2$  Ni foils were used for the inelastic scattering measurements and for the  
(p,n) measurements at energies above 6.2 MeV. In the (p,n) measurements the neutron  
yield was determined at  $0^\circ$  and  $90^\circ$ , and the inelastic proton scattering cross sections  
were measured (in arbitrary units) at  $90^\circ$  and  $160^\circ$ . Resonances corresponding to 18

Card 1/2

ACC NR: AP6019618

excitation of analogous states were identified with the aid of the approximate value 9.45 MeV for the Ni-Cu Coulomb energy difference. For each mass number the Coulomb energy difference was determined from measurements of some ten resonances. The Ni<sup>A</sup>-Cu<sup>A</sup> Coulomb energy difference was found to be practically constant and equal to 9.226 MeV for A = 61, 63, and 65 and to be about 90 keV higher for A = 59 and 62. The 90 keV difference is much higher than the experimental errors, which are estimated at from 17 to 25 keV, and it is also higher than the 40 keV that the authors feel is the maximum that could be ascribed to shell effects. Orig. art. has: 1 formula, 8 figures, and 6 tables.

SUB CODE: 20

SUBM DATE: 00

ORIG. REF: 000

OTH REF: 008

Card 2/2 *LC*

BORKIN, M., inzhener.

Method of sectional insulation of ships' hulls. Mor.i rech.flot 13 no.4:30  
Ag '53. (MIRA 6:10)

(Hulls (Naval architecture))

BORKIN, M.N., inzhener.

~~Improved insulation systems.~~ Improved insulation systems. Sudostroenie 22 no.8:28 Ag '56.  
(MLRA 9:10)

(Insulation (Heat))

BORKIN, M.N., inshener.

Caulking of linoleum-covered lower decks. Sudostroenie 23 no.2:59  
F '57. (MLRA 10:5)

(Ships--Maintenance and repair)

BORKIN, M.N., inzh.

Introduction of wood substitutes and standardization of ship  
furniture. Sudostroenie 24 no.1:56-57 Ja '58. (MIRA 11:2)  
(Furniture) (Wood waste)

*BORKINA, K.I.*  
YAKUBSON, A.K., prof.; BORKINA, K.I.

Keratosis follicularis contagiosa [with summary in English]. Vest.  
derm. i ven. 32 no.2:24-28 Mr-Apr '58. (MIRA 11:4)

1. Iz Voronezhskogo oblastnogo kozhno-venerologicheskogo dispansera.  
(KERATOSIS FOLLICULARIS  
contagiosa (Rus))

BORKINSKAYA, Aleksandra Akimovna, kand. tekhn. nauk, dots.; SKOKIK,  
Yevgeniy Timofeyevich, kand. tekhn.nauk; OGIYEVSKIY, V.V.,  
prof., red.; DUBENETSKIY, V.G., inzh., retsenzent; KOVAL'CHUK,  
A.V., inzh., red. izd-va; STARODUB, T.A., tekhn. red.

[Power measurement techniques at super-high frequencies] Metody  
izmereniia moshchnosti v diapazone sverkhvysokikh chastot. Pod  
red. V.V.Ogievskogo. Kiev. Gostekhizdat USSR, 1962. 170 p.  
(MIRA 15:12)

(Electronic measurements) (Microwave measurements)

BORKIS, DZH.

Borkis, Dzh. and Geringshou, Dzh.  
Standard electrode potentials of elements. P. 246

SO; Uspekhi Achievements in Chemistry, 20, No. 2, 1951

*BORKIJ, G.B.*  
AUTHOR: BLEJDELIS, J.A.JA., BORKIJ, G.B. PA - 2782  
TITLE: Radiological Structure Determination of Bivalent Transdiammin-  
dirodonida Platinums. (Rentgenostrukturnoe issledovanie trans-  
diammindirodonida dwuchwalentnoj platini, Russian)  
PERIODICAL: Latvijas PSR Zinatnu Akad. Vestis, 1957, Vol 1, Nr 3 (116)  
pp 133-146 (U.S.S.R.)  
Received: 3 / 1957 Reviewed: 7 / 1957

ABSTRACT: Conclusions:  
1. The atomic structure of the crystalline trans- $[Pt(NH_3)_2(SCN)_2]$  was determined.  
2. The structure of the trans- $[Pt(NH_3)_2(SCN)_2]$  is molecular.  
3. The structure was proved radiologically.  
4. The optical- and chemically crystalline constant was found.  
5. The SCN groups are linear and were computed with the atomic platinum by weak atomic sulphur.  
6. The distances  $P_t - S = 2,27$  kX and  $P_t - NH_3 = 2,12$  kX were determined.  
The distance  $P_t - S$  is equal for both isomeres within the limits of errors.

Card 1/2

PA - 2782

Radiological Structure Determination of Bivalent Transdiamminedioxovanada Platinum.

The distance  $P_t - NH_3$  is higher in the trans-isomere than in the cis-isomere.

The distances within the SOH groups were determined.

ASSOCIATION: Not given  
PRESENTED BY:  
SUBMITTED:  
AVAILABLE: Library of Congress

Card 2/2

BORKO, Bozidar

BORKO, Bozidar (glavni urednik Slov. knjižnega zavoda v Ljubljani)

Dr. Mikro Cernic and Slovenian literature. Zdrav. vest., Ljubljana  
23 no.3=4:56-57 1954.

(BIOGRAPHIES

\*Cernic, Mirko)

ARSENT'YEV, A.I., kand. tekhn. nauk; PERMYAKOV, R.S.; BORKO, I.A.,  
student; SANDOMIRSKIY, K.Ya., student; SHAPURIN, A.V., student

Expansion of mining operations at the Olenogorsk strip mine  
using multiple-row blasting. Sbor. nauch. trud. KGRI no.15:  
60-63 '63. (MIRA 17:8)

1. Nachal'nik Olenogorskogo kar'yera, Krivorozhskiy basseyn  
(for Permyakov).

*Borko, Ye. A.*

PHASE I BOOK EXPLOITATION

246

Mezhvuzovskoye nauchnoye soveshchaniye po primeneniyu kislороda v metallurgii. Moscow, 1956.

[Trudy] (Transactions of the Inter-institute Conference on the Use of Oxygen in Metallurgy) Moscow, Metallurgizdat, 1957. 371 p. 4,000 copies printed.

Sponsoring agency: Ministerstvo vysshego obrazovaniya SSSR. Glavnoye upravleniye gorno-metallurgicheskikh i stroitel'nykh vysshikh uchebnykh zavedeniy.

Ed.: Borko, Ye. A.; Ed. of Publishing House: Rosentsveyg, Ya.D.; Tech. Ed.: Attopovich, M. K.

PURPOSE: This book is intended as an aid to steel metallurgists, casting specialists, physical chemists, and other scientific and engineering personnel at plants, and may also be useful to students in these specialized fields.

COVERAGE: The book is a collection of articles written by personalities affiliated with higher educational institutions, scientific

Card 1/10

Transactions of the Inter-institute Conference on the Use (Cont.) 246

research institutes, and industrial plants making use of oxygen in metallurgy. A number of the articles are devoted to surveying modern methods of producing oxygen and to analyzing effective means of utilizing oxygen in the production of open-hearth and electric steel. The authors discuss the application of oxygen in metallurgical processes carried out in various types of converters and in steel-making equipment employing the principle of recirculation of gases, and also the production of iron castings, malleable iron, lead, and zinc with the use oxygen. For personalities and references, see Table of Contents.

TABLE OF

CONTENTS: Prospects for the Application of Oxygen in Metallurgy  
(Bardin, I. P., Academician) 5

Application of Oxygen in Steelmaking (Trubin, K. G.,  
Professor, Doctor of Technical Sciences, Moskovskiy  
institut stali [Moscow Steel Institute] (There are 26  
references, 12 of which are Soviet, 6 English, 7 German,  
and 1 French.) 9

Card 2/10

Transactions of the Inter-institute Conference on the Use (Cont.) 246

Present conditions and Outlook for Obtaining Gaseous Oxygen for Intensification of Metallurgical Processes (Usyukin, I. P., Professor, Moskovskiy institut khimicheskogo mashinostroyeniya [Moscow Institute for the Construction of Chemical Machinery]) 26

Conversion of Open-hearth Pig in Converters With the Use of Oxygen (Afanas'yev, S. G., Candidate of Technical Sciences, TsNIChERMET [Scientific Research Institute of Ferrous Metallurgy]) 31

The Use of Oxygen in the Scrap-ore Open-hearth Process For Producing Steel from High-phosphorus Pig Iron (Oyks, G.N., Professor, Doctor of Technical Sciences, Moscow Steel Institute) There are 4 references, of which 1 is Soviet, 2 English, and 1 French) 40

Peculiarities of Thermal Conditions in the Operation of a 350-t Tilting Open-Hearth Furnace at the "Azovstal'" Plant With Oxygen Feed Into the Torch (Kapustin, Ye. A., Docent, Candidate of Technical Sciences, Zhdanovskiy Metallurgicheskiy Institut [Zhdanov Metallurgical Institute]) 60

Card 3/10 (There is 1 Soviet reference.)

Transactions of the Inter-institute Conference on the Use (Cont.) 246

The Use of Oxygen in the Open-hearth Scrap-ore Process  
(Trubin, K. G., Professor, Doctor of Technical Sciences;  
Trubetskov, K. M., Candidate of Technical Sciences;  
Orlov, V. I., Candidate of Technical Sciences; all of  
the Moscow Steel Institute) (There are 3 Soviet  
references.) 68

Thermal Conditions in the Operation of an Open-hearth  
Furnace With the Use of Oxygen for Intensifying the  
Combustion Process, (Glinkov, M. A., Professor, Doctor  
of Technical Sciences; Men'shikov, R. I., Candidate of  
Technical Sciences; Morozov, V. A., Engineer; Shorin, A. F.,  
Engineer; all of the Moscow Steel Institute) 95

Intensifying the Heat Exchange in Open-hearth Furnaces  
(Starovich, M. N., Candidate of Technical Sciences,  
Metallurgicheskiy Zavod [Metallurgical Plant] "Serp i  
Molot") 115

Dust Formation in the Open-hearth Furnace During the  
Scrap-ore Process (Kryakovskiy, Yu. V., Candidate of  
Technical Sciences; Orlov, V. I., Candidate of  
Card 4/10

Transactions of the Inter-institute Conference on the Use (Cont.)	246
Technical Sciences; Chol', Yun Son, Engineer; all of the Moscow Steel Institute)	119
Regularity of Oxidation of Addition Agents in Blowing Oxygen Through Liquid Steel (Filippov, S. I., Doctor of Technical Sciences, Moscow Steel Institute)	138
The Use of Compressed Air for Accelerating Decarburization of Metal During the Open-hearth Scrap-ore Process (Medzhibozhskiy, M. Ya., Docent, Candidate of Technical Sciences, Sibirskiy metallurgicheskiy institut [Siberian Metallurgical Institute]) (There are 3 references of which 2 are Soviet and 1 English.)	146
The Choice of a Method of Converting Kerch' Pig Iron (Trubin, K. G., Professor, Doctor of Technical Sciences; Oyks, G.N., Professor, Doctor of Technical Sciences; both of the Moscow Steel Institute)	160
Slag Melting Furnace With Collector (Oyks, G. N., Doctor of Technical Sciences; Sokolov, G. A., Research Student; both of the Moscow Steel Institute) (There are 3 references, of which 2 are Soviet and 1 English.)	165

Card 5/10

- Transactions of the Inter-institute Conference on the Use (Cont.) 246
- Organization of the Production of Electric Steel by the Duplex Process (Yedneral, F. P., Docent, Candidate of Technical Sciences, Moscow Steel Institute) (There are 3 non-Soviet references.) 173
- Production of Steel for Shaped Castings in a Small Bessemer Converter With Oxygen Blast (Kletskin, G. I., Candidate of Technical Sciences, "Stankolit" Plant) 176
- Recirculation-Type Steel-making Furnaces (Glinkov, M.A., Professor, Doctor of Technical Sciences; Demin, G. I., Candidate of Technical Sciences) (There are 4 Soviet references.) 186
- Peculiarities of the Interaction of Metal, Slag, and the Gaseous Atmosphere in a Recirculation-type Furnace (Kazachkov, Ye. A., Candidate of Technical Sciences, Zhdanov Metallurgical Institute) (There are 4 references, of which 2 are Soviet, 1 German, and 1 English.) 217

Card 6/10

- Transactions of the Inter-institute Conference on the Use (Cont.) 246
- Special Features of Making Steel in an Oxygen-enriched  
Recirculation-Type Furnace (Chelishchev, Ye. V.,  
Docent, Candidate of Technical Sciences, Moscow Steel  
Institute) (There are 3 Soviet references.) 231
- The Use of a Recirculation-Type Furnace for Melting  
Steel for Continuous Casting (Ushakov, Ye. N.,  
Candidate of Technical Sciences, Moscow Steel  
Institute) 244
- The Recirculation Method of Using Oxygen in Large-  
capacity Open-hearth Furnaces (Glinkov, M. A.,  
Professor, Doctor of Technical Sciences; Ivanov, N.I.,  
Candidate of Technical Sciences, Moscow Steel Institute)  
There are 6 Soviet references.) 255
- The Use of Oxygen in Making Electric Steel (Yedneral, F.P.,  
Docent, Candidate of Technical Sciences, Moscow Steel  
Institute) 285

Card 7/10

Transaction of the Inter-institute Conference on the Use (Cont.) 246

The Use of Oxygen in the Production of Iron Castings  
(Levi, L. I., Docent, Candidate of Technical Sciences,  
Moskovskiy vecherniy mashinostroitel'nyy institut  
[Moscow Evening Institute of Machine Building])  
There are 16 references; of which 7 are Soviet,  
2 English, 2 German, 1 French, 1 Spanish, 1 Belgian,  
1 Czech, and 1 Japanese.) 290

The Use of Oxygen in the Cupola for the Production  
of Malleable Iron (Fuklev, V. A., Docent, Candidate  
of Technical Sciences, Sredneaziatskiy politekh-  
nicheskiy institut [Central Asian Polytechnic Institute])  
(There are 7 Soviet references.) 303

The Use of Oxygen in the Cupola for Superheating the  
Metal, Decreasing the Coke Input and Improving the  
Quality of the Iron Castings (Khayt, D. M., Docent,  
Tashkentskiy institut inzhenerov zheleznodorozhnogo  
transporta [Tashkent Institute for Railroad-transportation  
Engineers]) 317

Card 8/10

Transactions of the Inter-institute Conference on the Use (Cont.) 246

The Use of Oxygen in the Production of Lead and Zinc  
(Loskutov, F. M., Professor, Doctor of Technical  
Sciences, Moskovskiy institut tsvetnykh metallov i  
zolota [Moscow Institute for Nonferrous Metals and  
Gold] (There are 5 Soviet references.) 321

Discussion of Articles (participating personalities:  
Baptizanskiy, V. I., Docent, Dnepropetrovskiy  
metallurgicheskiy institut [Dnepropetrovsk Metallurgi-  
cal Institute]; Bokshitskiy, Ya. M., Engineer,  
TsNIICHERMET; Vavilov, N. S., Candidate of Technical  
Sciences, Institut metallurgii AN SSSR [Institute of  
Metallurgy, USSR Academy of Sciences]; Yedneral, F. P.;  
Ivanov, N. I., Docent, Magnitogorskiy gornometallurgiche  
skiy institut [Magnitogorsk Mining and Metallurgical  
Institute]; Kazachkov, Ye. A.; Kapustin, Ye. A.;  
Kondakov, V. V., Professor., Moscow Steel Institute;  
Kornfel'd, V. N., Candidate of Technical Sciences,  
Tsentroenergochermet; Kudrin, V. A., Docent, Moscow  
Steel Institute; Medzhibozhskiy, M. Ya.; Oyks, G. N.;  
Sladkoshteyev, V. T., Candidate of Technical Sciences,

Card 9/10

Transactions of the Inter-institute Conference on the Use (Cont.) 246

Ukrainskiy institut metallov [Ukrainian Institute for Metals]; Sukachev, A. I., Candidate of Technical Sciences, Ukrainian Institute for Metals; Trubetskov, K.M., Fuklev, V. A.; Kharitonov, A. S., Docent, Zhdanov Metallurgical Institute; Khomutov, A. I., Candidate of Technical Sciences, Institute im. Kalinin; Filippov, S.I.) 330

Resolution of the Inter-Institute Scientific Conference on the Use of Oxygen in Metallurgy, 29 May--1 June 1956, Moscow Steel Institute 365

AVAILABLE: Library of Congress

Card 10/10